



Program Listing for Walnut

Diversion Program Name	*Prior to SRRE	SRRE Selected	1997 Status	1998 Status
Source Reduction				
Xeriscaping/Grasscycling	No	Yes	X	X
Backyard and On-Site Composting/Mulching	No	Yes	X	X
Procurement	No	Yes	X	X
Government Source Reduction Programs	No	Yes	X	X
Recycling				
Residential Curbside	Yes	Yes	X	X
Residential Drop-Off	Yes	Yes	X	X
Residential Buy-Back	Yes	Yes	X	X
Commercial On-Site Pickup	Yes	Yes	X	X
Government Recycling Programs	Yes	Yes	X	X
Special Collection Seasonal (regular)	No	No	X	X
Composting				
Residential Curbside Greenwaste Collection	Yes	Yes	X	X
Residential Self-haul Greenwaste	Yes	Yes	X	X
Commercial Self-Haul Greenwaste	Yes	Yes	X	X
Special Waste Materials				
Tires	Yes	Yes	X	X
White Goods	Yes	Yes	X	X
Concrete/Asphalt/Rubble	No	Yes	X	X

X = indicates programs being implemented

Any blank status code above could be one or more of the following:

- Dropped
- Selected and Not Implemented
- Planned Future

* Existing prior to SRRE (Source Reduction
Recycling Element)



Program Listing for Walnut

Page 2
Date Printed
August 23, 2000

Diversion Program Name	*Prior to SRRE	SRRE Selected	1997 Status	1998 Status
Public Education				
Print (brochures, flyers, guides, news articles)	No	Yes	X	X
Outreach (tech assistance, presentations, awards, fairs, field trips)	Yes	Yes	X	X
Policy Incentives				
Economic Incentives	No	Yes		X
Ordinances	No	Yes	X	X
Facility Recovery				
Composting Facility	No	Yes	X	X
Alternative Daily Cover	Yes	Yes	X	X

X = indicates programs being implemented

Any blank status code above could be one or more of the following:

- Dropped
- Selected and Not Implemented
- Planned Future

* Existing prior to SRRE (Source Reduction
Recycling Element)



Jurisdictional SRRE Program Summary
Household Hazardous Waste (HHW)
Selected Year(s): 1997, 1998

Page 1
Date Printed
August 31, 2000

Jurisdiction	Year	HH- PMF	HH- MPC	HH- CSC	HH- WSE	HH- EDP	HH- OTH
Walnut	1997	X	X			X	
	1998						

Legend: HH-PMF Household Facility
HH-MPC Municipal Solid Waste Collection
HH-CSC Curbside Collection
HH-WSE Waste Exchange
HH-EDP Educational Programs
HH-OTH Other Programs



Base Year Modification Request Certification

CIVMB 628 (NEW 7/99)

Agenda Item 30

Attachment 2

Board Meeting

September 19-20, 2000

To request a correction to or substitution for a previously approved base-year amount used in calculating the diversion for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 255-2555 to be connected to your OLA representative.

Mail completed documents to:

California Integrated Waste Management Board
Office of Local Assistance, MS 8
8800 Cal Center Drive
Sacramento CA 95826

General Instructions:

Please select the **ONE** choice below that best explains your request to the Board, and complete the appropriate sections. **All respondents must complete Section I and either Section II A or II B, as noted.**

- ☐ 1. Correct our existing Board-approved base-year generation (disposal or diversion) tonnage. (Please complete Section I and Section II A.)
- ☐ 2. Use a recent generation-based study to substitute for our existing Board-approved base-year generation amount, but not officially change our existing Board-approved base year. (Please complete Section I and Section II B.)
- ☒ 3. Use a recent generation-based study to officially change our Board-approved existing base year to a new base year. (Please complete Section I and Section II B.)

Section I: Jurisdiction Information and Certification

All respondents must complete this section.

I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:

Jurisdiction Name		County	
Walnut		Los Angeles	
Authorized Signature		Title	
		City Manager	
Type/Print Name of Person Signing	Date	Phone	
Jeffrey C. Parker	June 13, 2000	(909) 595-7543	
Person Completing This Form (please print or type)	Title	Phone	
Eugene Tseng	Principal Investigator UCLA Extension	(818) 889-8628	
Mailing Address	City	State	ZIP Code
City of Walnut, 21201 La Puente Road	Walnut	CA	91789

Section II A: Information for Correction of Existing Base-Year Tonnage

Respondents who chose option 1 on the first page must complete this section.

Attach additional sheets if necessary—please reference each response to the appropriate cell number (e.g., A6).

A1. Current Board-approved base year:

A2. Increased or decreased diversion tons requested:

A3. Increased or decreased disposal tons requested:

A4. Proposed total base-year generation tons requested (add figures from A2 and A3):

A5. Document your proposed base-year modification method:

- ☐ Board-approved method from the March 26, 1997 "Agenda Item 32" list.* Name of method: _____
- ☐ Board-approved method from November 5, 1998 "Agenda Item 8" ["LA Fix" method].*
- ☐ Proposed method is not currently Board-approved. (Explain the method in detail below.)

- If you need a copy of either agenda item, contact your Office of Local Assistance representative.

A6. If additional diversion tonnage is requested in Box A2, choose one:

- ☐ All diversion tonnage claimed is from a 100 percent audit (full enumeration) of diversion programs.
- ☐ Some diversion data were estimated or extrapolated from representative sampling. (Explain the amount and method in detail below.)

A7. Describe the diversion data records that support your claim and are available for Board audit. Include type of record and location; for example, weigh tickets from transfer station.

Diversion Program	Tons	Type of Record	Location of Data

Section II B: Information for New Generation-Based Study for Existing or New Base Year

Respondents who chose option 2 or 3 on the first page must complete this section.

Attach additional sheets if necessary—please reference each response to the appropriate cell number (e.g., B4).

B1. Current Board-approved base-year:

1990

B2. Proposed new generation-based study year:

1999

B3. Is the proposed generation study year representative of average annual jurisdiction disposal and diversion patterns? ☒ Yes ☐ No

B4. Please select the ONE choice below that best explains your diversion data.

- ☐ All diversion tonnage claimed is from a 100 percent audit (full enumeration) of all available diversion programs.
- ☒ Some diversion data were estimated or extrapolated from representative sampling. (Explain amount and method in detail below.)

The new base year generation study was required by the CIWMB Compliance Order.

Waste reduction and recycling surveys of hauler accounts were conducted in person and in a statistically random manner at 144 businesses. The self haul businesses were not included. There was no extrapolation of audit data. Commercial / Industrial diversion estimates are based entirely on data collected on-site during the surveys. According to the Franchised Hauler (exclusive), there were approximately 200 commercial accounts that would qualify to be included in the survey. Technical assistance will continue to be offered to all commercial / industrial businesses as part of the agreement with the hauler.

A summary of the commercial / industrial diversion study is included in this report-see Exhibit G.

The Department of Conservation, Division of Recycling data are also included-see Exhibit D.

B5. In the table below, list the diversion data records that support your claim and are available for Board audit. Include type of record and location; for example, weigh tickets from transfer station.



Diversion Program	Tons	Type of Record	Location of Data
Residential Recycling w/ Greenwaste	6,880.85	Facility Weigh Tickets:Hauler (WM).	Exhibit C, Item B+D
AB 2020	95.99	DOC reports	Exhibit D, Item 1
ADC.	1,816.19	LA County DRS	Exhibit E, Item 1
Salvaged/Recycled	8,610.94	County DRS	Exhibit E, Item 2
Christmas Tree Recycling	144.03	City / County	Exhibit F
Business Reported Recycling	2,128.08	Actual Surveys	Exhibit G, Item 1b
Business Reported Source Reduction	1,476.36	Actual Surveys	Exhibit G, Item 1a
City Landscape Woodchip Program	500.00	City Contractor	Exhibit H: Johnsons Tree Svc

B6. Please select the ONE choice below that best explains your disposal data and complete the required tables.

- ☒ a. All tons claimed are from the Board's Disposal Reporting System (1995 and after). (No explanation required. Skip to B9.)
- ☐ b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage (pre-1995). (Please complete B7 and then skip to B9.)
- ☐ c. Some Disposal Reporting System data were corrected. (Please skip to B8.)

B7. If you chose "b" in B6, list the disposal data records that support your claim and are available for Board audit in the table below. Include type of record and location; for example, weigh tickets from transfer station.

Source of Disposal	Tons	Type of Record	Location of Data

B8. If you chose "c" in B6, list the disposal data records that support your claim and are available for Board audit in the table below. Explain tonnage amount, correction method used, and correct owner of disputed tonnage in detail.

Source of Disposal	Tons	Correction Method Used	Correct Owner

B9. Enter your diversion rates in the table below.

	1995	1996	Other Year: (please specify) 1999
Current calculated diversion rate:	a. %	b. %	
Proposed diversion rate:	c. %	d. %	e. 36.5 %

B10. If the proposed base-year generation tonnage correction results in an increase in either your 1995 or 1996 waste diversion rate, please explain how the diversion rate is consistent with your diversion implementation efforts.

The CIWMB calculated diversion rate using the Adjustment Method is not representative of the City's diversion rate. The Adjustment Method gives a negative diversion rate (-171%) for 1998 (1999 not available yet). The City has implemented a number of programs. In the original base year SRRE/SWGS, the recycling and waste reduction diversion implemented by the businesses were not quantified. In addition, the self haul was not adequately accounted for. The City has worked with its franchised hauler (Waste Management/USA Waste) over two years to gather the data to complete the new base year generation study as part of a business technical assistance effort.

The City of Walnut and Waste Management/USA Waste has worked closely with UCLA Extension to pilot many of the waste reduction and recycling audit protocols and statistical methods.

The City's largest franchise hauler has made a long term commitment to continuing the on-site business waste reduction and recycling technical assistance program. The data and diversion measurement accuracy will only improve.

Please note that the City's single largest business, Mount San Antonio College, does not have any extensive diversion programs. The City is working with the College to implement programs. The College has approximately 40,000 students and has approximately 1,580 employees. The City has only 7,188 employees Citywide total. The number of residents is 32,000, less than the number of students attending the single college.

City of Walnut
1999 Generation Based Annual Report

June 2000

TABLE OF CONTENTS

Certification Form

Exhibit A Generation Based Study

Summary

Calculation Details

Estimate of Commercial and Industrial Sector Recycling

Exhibit B Jurisdiction Disposal by Facility

Disposal Reporting System (DRS)

Exhibit C Hauler Data

Exhibit D Department of Conservation, Division of Recycling

AB 2020

Exhibit E Diverted / Salvaged by LA County Landfills LA County Disposal Reporting System

ADC

Exhibit F Christmas Trees

Exhibit G Business Waste Reduction and Recycling Survey and Technical Assistance Program Summary

Exhibit H City Facilities / City Public Works Programs

Exhibit I Planning Annual Report Information System

(PARIS)

Exhibit A

Generation Based Study

Summary

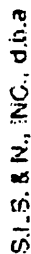
Calculation Details

Estimate of Commercial and Industrial Sector Recycling

[illegible]

	1999 New Base Year Generation Study		
	Estimate of Commercial and Industrial Sector Recycling		
	Hauler Accounts Details		
	Extrapolated from Audits		
	Only Applied to Hauler Accounts (NO SELF HAUL)		
	Description	Tonnage	Notes
	Jurisdiction Total Disposal (1999 Disposal Reporting System Tonnage)	37,642.04	
	Disaster Related Disposal (see attachments for documentation)	0.00	
	Note: Disaster tonnage only recorded for City cleanup, no private tonnage		
A	Corrected Disposal Tonnage for 1999	37,642.04	
B	Residential Disposal Tonnage, Exclusive Franchise Hauler	9,855.98	
C	Commercial and Industrial Disposal	7,396.24	Exhibit C, Item 3
D	Commercial and Industrial Disposal Tonnage (Self Haul) (Study underway to verify sources of Self Haul)	20,389.82	A-B-C
E	Average Diversion Rate from AUDITS OF HAULER ACCOUNTS	27.4%	Exhibit G, Item 2
	Commercial and Industrial Generation Tonnage (HAULER ACCOUNTS) (C/(100% - E))	10,187.66	(C/(100% - E))
F	Commercial and Industrial Diversion Tonnage (HAULER ACCOUNTS) NO EXTRAPOLATION	3,604.44	Exhibit G, Item 3
G	Commercial and Industrial Disposal Tonnage	27,786.06	C + D
H	Commercial and Industrial Diversion Tonnage	3,604.44	F
	Commercial and Industrial Generation Tonnage	31,390.50	G + H

Los Angeles County Department of Public Works, Environmental Division				
Summary of Quarterly Reports				
City of Walnut				
			Tons	
	1999 Total ADC		6,183.55	
	ADC minus hauler greenwaste			
Item 1	6,183.55 - 4,367.36		1,816.19	
	1999 Salvaged/Recycled Tonnage (LA County DRS)			
Item 4	Peck Road		2,199.00	
	Puente Hills		525.45	
	Spadra		5886.49	
Item 2	TOTAL		8,610.94	
	1999 Total Diverted		14,794.49	
Item 3	Total Diverted minus hauler greenwaste		10,427.13	
	1999 Landfilled		30,967.14	
	Total Received		45,761.63	



PECK ROAD GRAVEL PIT

P.O. BOX 1286

MONROVIA, CA 91017

TEL.: (625) 574-1955

FAX: (626) 574-7642

LANDFILL ADDRESS:

128 EAST LANE OAK AVENUE
MONROVIA, CA 91016

Waste Disposal Reporting Form
For the 1st Quarter 1999

For the 1st Quarter 1994

Total of all offenders should equal the amount listed in the Grand Total Box

[illegible]

Facility Being Reported:

ROYAL PROJECTED TUNNEL

Prepared By:

W. B. Smith

JOHNSON TREE SERVICE, INC.

PO. BOX 28
MONROVIA, CA 91017
626-447-5239

Estimate

DATE	ESTIMATE NO
8/24/2000	1531

NAME / ADDRESS
CITY OF WALNUT 21201 LA PUENTE RD. WALNUT, CA 91789 1-909-595-7543 ATTEN . JACK YOSHINO

P.O. NO	CO. REP	ACCT #
	CTS	

DESCRIPTION	TOTAL
<p>JOHNSON TREE SERVICE REMOVED APPROXIMATELY 500 TONS OF GREEN TREE CHIPED MATERJEL IN 1999-2000 OUT OF THE CITY AND RECYCLED THORUGH A 3/4" SCREENED TUB GRINDER AND SOLD AS MULCH TO HOME OWNERS AND LANDSCAPERS.</p> <p>TERRY SMITH</p>	
	<p>TOTAL \$0.00</p>

Exhibit H
City of Walnut
Tree chipping + re-use

SIGNATURE



1999 Aggregate Volume Reported
for the
City of Walnut
By
Received Weight
Material Type and Program Type

1999 Received From	Aluminum	Glass	Plastic	Bimetal
Recycling Centers (In Pounds)	49,709.4	124,777.6	17,448.1	0.0
Curbside Programs (In Pounds)	21,213.7	57,564.0	31,670.6	0.0
Dropoff or Collection Programs (In Pounds)	0.0	0.0	0.0	0.0
Total Volume	70,923.1	182,341.6	49,118.7	0.0

Post-It® Fax Note	7671	Date 8-23-00	# of pages 1
To Malinda Hall	From ROZ Yasui		
Co./Dept.	Co.		
Phone # 916 255-2895	Phone # 626 783 4322		
Fax # 916-366 2291	Fax # 626 345 9590		

with curbside = 151.19 (tons)

curbside = 110,447.7 lb
(55.2 tons)

w/o curbside = 95.99



CITY OF WALNUT 1999 RECYCLING PROGRESS REPORT

CITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOT	AVG
SET OUT RATE	60.34%	58.04%	60.19%	33.85%	60.23%	62.77%	59.15%	83.22%	63.88%	76.07%	73.60%	87.69%	—	67.60%
PARTICIPATION RATE*	150.85%	145.10%	150.43%	169.88%	150.58%	156.93%	147.88%	208.05%	159.55%	90.18%	184.00%	219.23%	—	169.20%
SET OUT RATE - GW	53.11%	52.90%	48.71%	78.36%	34.16%	52.44%	77.21%	80.25%	52.20%	85.65%	53.72%	54.90%	—	60.34%
DIVER % - TOT STREAM	15.51%	13.33%	12.91%	15.98%	37.26%	35.80%	37.80%	35.45%	34.43%	30.55%	32.98%	30.53%	—	28.74%
DIVER % - RESIDENTIAL	21.86%	18.86%	21.03%	24.81%	36.51%	52.14%	52.28%	50.20%	47.83%	41.37%	45.68%	44.02%	—	41.33%
DIVER % - COMMERCIAL	0.29%	0.18%	0.23%	0.28%	0.16%	0.26%	0.25%	0.00%	0.00%	0.00%	0.40%	0.28%	—	0.20%
TTL TONS GENERATED	1,427.34	1,359.86	1,479.78	1,596.51	1,140.05	1,585.82	1,446.95	1,492.82	1,415.93	1,506.02	1,374.52	1,452.62	17,252.22	1,437.69
TOTAL TONS DISPOSED	927.38	895.81	817.32	924.08	320.11	792.55	804.35	873.36	811.25	938.84	800.61	809.58	9,855.90	821.33
TONS RES DISPOSED	90.96	55.05	182.84	221.23	162.79	280.05	175.74	222.72	138.41	147.15	134.04	220.90	2,031.68	169.31
TONS R-OFF DISPOSED	403.00	409.00	479.22	451.20	457.15	485.82	466.82	456.74	460.27	420.03	439.87	422.14	5,364.56	447.05
TONS COM DISPOSED	269.92	209.12	219.45	303.59	576.93	865.73	883.00	879.83	743.65	862.45	675.71	638.46	6,358.84	579.90
TTL TONS DIVERTED	44	384	163	180	101	204	181	0.00	0.00	0.00	2.33	1.81	14.61	1.22
TTL TONS DIV - COM	259.48	208.28	217.32	301.69	575.92	863.68	881.35	879.83	743.65	862.45	673.38	636.65	6,944.23	578.69
TTL TONS DIV - RES	49	143	139	182	274	341	335	286	259	277	276	285	29.58	2.46
TONS ALUM	5.17	4.85	4.76	6.72	9.94	12.20	12.21	0.99	10.91	10.22	11.66	10.76	110.39	9.20
TONS GLASS	51.20	49.79	49.02	69.24	102.60	125.35	179.95	112.91	109.59	102.65	117.29	130.37	1,201.92	100.16
TONS NEWS	3.86	3.68	3.39	4.81	7.21	9.05	10.72	7.91	7.85	7.35	8.86	9.30	84.19	7.02
TONS OCC	4.91	40.33	39.18	50.67	76.57	97.74	94.95	112.91	90.83	85.06	91.21	98.27	319.63	76.64
TONS DMG	0.87	1.79	1.74	1.94	3.47	4.31	4.28	3.39	3.37	3.15	3.60	3.15	36.12	3.01
TONS PET	0.72	1.64	1.80	2.15	3.22	4.04	3.98	3.72	3.70	3.46	3.95	4.10	37.28	3.11
TONS HOPE-NATRL	0.67	1.60	1.56	2.09	3.14	3.95	3.88	3.64	3.60	3.37	3.84	4.00	36.32	3.03
TONS HOPE-COLRD	2.68	2.53	2.48	3.40	5.06	6.28	6.23	6.74	5.70	5.34	6.09	6.55	58.08	4.84
TONS TN	11.00	100.64	112.50	158.85	461.97	597.26	581.80	555.76	505.51	439.10	424.12	338.83	4,367.36	363.85
TONS GREEN WASTE	34.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.47	63.38	5.28
TONS CHRISTMAS TREES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TONS OF APPLIANCES	286	274	256	269	271	276	274	274	274	278	269	275	3,286	274
# IN PROGRAM - COM'L	7,649	7,647	7,639	7,679	7,686	7,686	7,686	7,686	7,641	7,916	7,855	7,855	31,785	7,649
# IN PROGRAM - RES	18,463	17,754	20,334	21,607	18,516	21,229	20,005	28,145	19,555	24,094	28,908	30,530	259,170	22,431
# SERVD - RECYCLING	16,250	16,180	16,430	26,475	18,651	17,733	26,111	27,139	15,555	20,792	21,099	15,115	239,980	19,998
# SERVD - GREEN WASTE	4.00	4.00	4.40	4.40	4.00	4.40	4.40	4.40	4.00	4.00	5.00	5.00	52.00	4.33
# WKS SERVD														

Prepared by Waste Management of San Gabriel/Pomona Valley for the City of Walnut

* PARTICIPATION RATE = SET OUT RATE X 2.5

Estimated that residents set out recyclables

2.5 times per month.

30-25

Waste Reduction and Recycling Audit Summary

19 Waste Reduction and Recycling Audit

Number	Name of Company	Type of Business	Total	Additional	Total	Add. Poten.	Disposal	Diversion
			Exist. Recy.	Poten. Recy.	Exist. S. Red.	S. Reduction	tons/yr	Rate
			Diversion (lb/yr)	(lb/yr)	Diversion (lb/yr)	(lb/yr)	(calculated)	(in weight %)
1		Optometrist	20.80	127.20	2.50	60.00	5.13	0.23%
2		Race Car Parts	109.05	218.10	24.00	0.00	2.24	2.88%
3		Trading	0.00	120.00	82.00	3.00	6.73	0.61%
4		Auto Repair	318.24	0.00	72.30	36.07	1.12	14.83%
5		Importers	3.80	479.12	5,332.68	0.00	5.98	30.85%
6		Auto Parts Retail	1,300.00	0.00	1.00	600.00	8.97	6.76%
7		Auto Dealer	2,976.00	483.00	0.00	0.00	8.97	14.23%
8		Computer Wholesale	205.00	4.00	612.40	59.32	13.46	2.95%
9		Private Investigation	0.00	27.36	0.00	0.00	1.33	0.00%
10		Computer Parts Mfg.	0.00	4,932.00	3,733.40	30.00	11.96	13.50%
11		Accounting	75.00	616.00	78.75	0.00	1.00	7.16%
12		Engineering	53.34	141.80	34.40	261.50	2.99	1.45%
13		Computer Mfg.	9.80	834.00	678.48	1,547.75	0.90	27.72%
14		Import/Export	480.00	214.80	1,321.02	18.00	1.12	44.54%
15		Supermarket	1,090,880.00	273.60	291,040.00	10,000.00	239.20	74.28%
16		Cranes	3,776.72	1,085.80	1,454.94	0.00	6.73	28.00%
17		Insurance	0.00	1,424.80	48.25	5.20	8.97	0.27%
18		Wholesale Computer	150.00	23.24	68.40	9.75	4.18	2.54%
19		Wholesale Computer	1,584.00	48.00	332.00	0.00	11.96	7.42%
20		Wholesale Computer	1,468.80	906.00	0.00	12.00	5.98	10.94%
21		Import Wholesale Toys	457.68	12,470.00	1,677.84	540.00	5.98	15.15%
22		Graphic Art Equip.	5,460.00	608.00	24,360.00	0.00	4.49	76.88%
23		Mfg. Ear Piercing Equip	0.00	0.00	0.00	6.00	0.00	0.00%
24		Computer parts retail	0.00	1,407.32	1,446.60	142.00	11.96	5.70%
25		Piping	1,560.00	120.00	72.00	0.00	8.97	8.34%
26		Importers	0.00	239.36	6,000.00	0.00	2.24	57.22%
27		Nail Salon	0.00	63.70	1.00	0.00	7.97	0.01%
28		Furn. Mfg.	67.20	35,468.00	0.00	16.00	23.92	0.14%
29		Computer Parts Mfg.	0.00	0.00	0.00	0.00	8.97	0.00%
30		Auto Body Shop	0.00	1,296.00	0.00	40.98	35.88	0.00%
31		Restaurant	23,627.00	0.00	80.00	6,560.00	2.99	79.86%
32		Mfg Hair/Skin Products	14,259.20	120.00	20.70	0.00	11.96	37.38%
33		Retail Computer	31.20	0.00	38.00	0.00	0.00	99.46%
34		Restaurant	333.55	832.54	4,173.32	133.58	8.97	20.08%
35		Contractors	0.00	480.00	0.00	60.00	2.24	0.00%
36		Auto Shop	113.42	10.00	3.80	0.80	8.97	0.65%
37		Mfg. computers for military	0.00	3,859.20	3,121.68	0.00	17.94	8.00%
38		Computer Wholesale	0.00	264.00	34.44	0.00	0.00	16.78%
39		Computer Assembly	0.00	1,768.00	68.84	0.00	3.42	0.97%
40		Accountant	60.00	24.00	8.00	0.00	5.32	0.64%
41		Computer Svc	0.00	5,634.00	14,010.00	192.00	5.98	53.95%
42		Office Supplies	0.00	228.80	2,288.00	0.00	8.97	11.31%
43		Import/Export	100.00	240.00	0.00	0.00	2.99	1.64%
44		Auto Mechanic	23,382.00	108.00	0.00	78.00	8.97	56.58%
45		Computer Distributor	0.00	71.40	69.00	0.00	26.91	0.13%
46		Computer Distributor	442.00	1,756.00	2,373.00	936.00	5.98	19.05%
47		Computer Distributor	1,632.00	12.00	3,107.50	4.62	8.97	20.90%
48		Mfg rep for water treatment chem	4.80	3,690.50	60.23	0.00	1.44	2.22%
49		Fastener Importer	0.00	2,814.00	732.00	24.00	11.96	2.97%
50		Painting	0.00	66.00	0.00	0.00	0.24	0.00%
51		Computer export	6,259.20	2,650.00	260.00	12.00	2.99	52.16%
52		Systems Integrators	6,816.00	7,853.40	480.20	4.80	35.88	9.23%
53		Computer Consulting	0.00	19,500.00	0.00	15.00	7.62	0.00%
54		Copying Services	11.52	132.00	1,488.00	0.00	3.59	17.28%
55		Dry Cleaner	0.00	26.00	0.00	0.00	2.87	0.00%
56		Auto Shop	132.80	4.00	13.80	133.20	7.18	1.01%
57		Engine Manufacturing	1,040.00	179.30	248.08	0.00	40.37	1.57%
58		Internet Advertising	309.92	0.00	74.56	28.00	5.77	3.23%
59		Website Design	0.00	120.00	1,104.00	48.00	3.99	12.16%
60		Adhesive Mfg.	9,800.00	2,000.72	4.04	0.00	23.92	17.01%
61		Plastic molding mfg.	80,332.00	11,160.00	88.40	0.00	23.92	62.70%
62		Abrasive Mfg.	888.00	192.90	9,242.90	0.00	23.92	17.48%
63		Medical	0.00	1,990.40	192.00	0.00	13.46	0.71%
64		Hair Salon	0.00	36.00	120.00	1,440.00	5.32	1.12%
65		Fire Department	4.00	1,176.00	180.00	0.00	11.96	0.76%
66		Tire Retail	200,360.00	6,420.00	0.00	0.00	11.96	89.33%
67		Pump Distr.	96,514.50	5,320.28	1,128.24	0.00	11.96	80.32%
68		Computer Retail	0.00	420.00	0.00	130.00	4.35	0.00%
69		Telephone Mfg.	0.00	120.00	0.00	120.00	5.98	0.00%
70		Printing/mailling	27,444.40	36,000.00	27.05	0.00	23.92	36.48%
71		Computer Communication	0.00	144.00	120.00	240.00	3.59	1.64%
72		Vitamin Retail	204.00	84.00	0.00	24.00	8.07	1.25%
73		Computer Components	0.00	1,538.00	660.00	120.00	2.56	11.41%
74		Restaurant	0.00	1,248.00	0.00	0.00	6.73	0.00%
75		Trading/home textile merchandise	0.00	1,873.40	26.00	16.00	5.98	0.22%
76		Wholesale auto accessories	249.60	5,566.00	0.00	8.00	11.96	1.03%
77		Trading	0.00	60.00	180.00	0.00	1.79	4.78%
78		Graphic Design	0.00	672.00	554.70	0.02	0.80	25.81%
79		Real Estate	36.00	144.00	48.00	8.00	5.98	0.70%
80		Immigration Products	8,280.00	180.00	60.00	600.00	4.49	48.18%
81		Mailing/Printing	240.00	300.00	660.00	0.00	3.99	10.14%
82		Test Equip. Mfg.	181.60	4,008.00	379.62	0.00	8.97	3.03%
83		Import Electronics	0.00	232.00	181.52	530.00	5.13	1.74%
84		Automotive	181.44	1,090.80	9,708.00	0.00	8.97	35.64%

ty of Walnut

199 Waste Reduction and Recycling Audit

umber	Name of Company	Type of Business	Total	Additional	Total	Add. Poten.	Disposal	Diversion
			Exist. Recy.	Poten. Recy.	Exist.S. Red.	S. Reduction	tons/yr	Rate
			Diversion (lb/yr)	(lb/yr)	Diversion (lb/yr)	(lb/yr)	(calculated)	(in weight %)
84		Retail Auto Parts	12,000.00	0.00	16.00	0.00	11.96	33.44%
85		County Sheriff	0.00	151.20	58.80	0.00	5.13	0.57%
86		Dry Cleaner	0.00	184.00	24.00	0.00	5.32	0.23%
87		Business Services	648.00	8.00	1,343.78	0.00	8.97	9.99%
88		Bakery	216.00	1,560.00	296.40	0.00	8.97	2.78%
89		Preschool/Kindergarten	0.00	1,344.00	154.20	0.00	11.96	0.64%
90		Wholesale computer/repair	17.28	836.00	56.00	0.60	2.56	1.41%
91		Restaurant	12,337.00	37,518.00	0.00	0.00	8.97	40.75%
92		Technical College	301.60	264.00	125.88	52.00	3.59	5.62%
93		Book Store	0.00	1,322.60	4,967.40	26.00	22.43	9.97%
94		Facilities Management	552,898.60	15.00	119,971.20	4,000.00	6,856.07	4.68%
95		Food Services	0.00	134,442.20	3,348.80	8,060.00	89.70	1.83%
96		Library	0.00	54,021.60	2,660.00	0.01	23.92	5.27%
97		Purchasing	44,800.00	8,000.00	7,800.00	0.00	106.74	19.77%
98		Satellite Fd. Svc.	11,440.00	23,246.80	1,804.00	390.00	44.85	12.87%
99		Wholesale Seafood	0.00	300.00	248.00	0.00	1.92	6.06%
100		Import Computer Speakers	0.00	264.00	4,814.88	2.50	1.20	66.81%
101		Restaurant	3,600.00	720.00	0.00	0.00	2.69	40.08%
102		Retail Shoes	4,840.00	0.00	0.00	0.00	7.18	25.22%
103		Tennis Equip. Retail	0.96	944.00	0.00	0.00	8.97	0.01%
104		Electronics Retail	0.00	456.00	36.00	0.00	7.18	0.25%
105		Pump Equipment Distr.	440.00	252.00	5,793.00	0.00	71.76	4.16%
106		Civil Engineers	11.52	2,090.00	39.70	2,873.46	2.56	0.99%
107		Legal Services	25,887.85	40.00	7.30	192.00	23.92	35.12%
108		Hair salon	0.00	335.60	0.00	0.00	3.99	0.00%
109		Drug/misc retail	145,860.00	5,067.40	139,348.40	0.00	13.46	91.38%
110		Computer Retail	0.00	1,408.00	0.00	0.12	17.94	0.00%
111		Mfg. Machine Prod.	1,945.60	60.00	1,262.00	0.00	2.99	34.91%
112		Coffee Shop	0.00	24,292.00	1,669.44	0.26	13.46	5.84%
113		Restaurant	0.00	2,457.00	1,300.00	0.00	3.59	15.34%
114		Pen Import	0.00	10.40	1,042.10	520.00	5.13	9.23%
115		Wholesale bike parts	23.04	5,292.00	50.64	0.00	8.97	0.41%
116		Games/Entertainment	0.00	1,312.00	0.00	0.00	8.97	0.00%
117		Photo Lab	736.20	314.00	0.00	0.00	13.46	2.66%
118		Non-vessel transportation	0.00	56.00	260.00	5.00	1.28	9.21%
119		Dental Lab	12.50	324.00	572.00	0.00	2.56	10.24%
120		School	7,860.00	7,045.00	27,582.80	100.00	143.52	10.99%
121		Sunglass Import	0.00	494.60	60.03	12.00	11.96	0.25%
122		Tanning Salon	0.00	6.00	649.60	0.00	15.38	2.07%
123		Cellphones Retail	0.00	300.00	780.00	96.00	4.32	8.27%
124		Hardware Retail	1,560.00	1,200.00	3,456.00	0.00	11.96	17.33%
125		Distr. Welding Mat'l	19.20	11,420.00	163.20	48.00	11.96	0.76%
126		Govt.	824.00	155,740.00	140,916.10	1,234.00	11.96	85.56%
127		Book Store	0.00	782.00	1,370.00	0.00	8.97	7.09%
128		Beauty Salon	0.00	549.60	0.00	0.00	0.66	0.00%
129		Trailer Mfg.	10,400.00	637.00	356.80	260.08	17.94	23.07%
130		Import beauty cases	52.00	64.00	4,748.52	0.00	3.59	40.08%
131		Travel Agent	0.00	132.00	87.00	0.00	398.67	0.01%
132		Marinet	0.00	9,360.00	3,420.00	0.00	5.77	22.87%
133		Storage	0.00	325.00	212.00	0.00	8.97	1.17%
134		School	89.00	313,200.00	829.00	24.00	149.50	0.31%
135		Supermarket	1,758,032.80	0.00	318,864.00	0.00	47.84	95.60%
136		Bakery	0.00	3,724.00	0.00	0.00	13.46	0.00%
137		School	29.20	1,276.00	1,009.00	12.00	4.49	5.19%
138		Public Library	1,080.00	3,128.60	290.45	17.00	11.96	5.42%
139		Leasing Office	0.00	661.10	1,144.78	300.00	1.50	27.69%
140		City Hall	5,508.00	10,644.11	10,849.31	0.00	9.72	45.70%
141		City Yard	77,208.00	416,062.52	1,744,865.41	0.00	251.16	93.19%
142		Water systems & Supplies	0.00	0.00	24.00	0.00	5.32	0.23%
143		Public Storage	280.00	296.75	1,462.20	0.00	17.94	4.63%
144		Audio/video retail	10.40	788.00	2,137.17	0.00	5.13	17.32%
		Total	4,295,193.73	1,444,894.52	2,960,244.85	43,076.60	9,561.40	
		Annual Tons Reported by Audited Walnut Businesses	2,147.60	722.45	1,480.12	21.64	9,561.40	
		Restricted Materials to be Deleted from Diversion	19.52		3.76			
		AB 939 Annual Diversion Tons Reported by Walnut Businesses	2,128.08		1,476.36			
		Annual Tons Disposed	9,561.40	72.62%				
		Annual Tons Diverted by Source Reduction	1,476.36	11.21%				
		Annual Tons Diverted by Recycling	2,128.08	16.18%				
		Total Annual Tons Generated	13,165.84	100.00%				
		Total AB 939 Annual Tons Diverted	3,604.44					
		Estimated Diversion Rate for Audited Businesses	27.4%					

CITY OF WALNUT

WASTE REDUCTION AND RECYCLING AUDIT REPORT

JUNE 2000

Introduction

Waste reduction and recycling audits were conducted in the commercial and industrial sector of the City of Walnut. These audits were conducted to achieve the following:

- 1) collect data for a new generation study
- 2) provide on-site waste reduction and recycling technical assistance to businesses in the City of Walnut
- 3) quantify and evaluate current diversion programs implemented by businesses
- 4) identify exemplary programs for CIWMB WRAP Program (year 2000)
- 5) quantify and assist businesses in implementation of additional waste reduction and recycling programs
- 6) develop an ongoing infrastructure to support a commercial / industrial sector technical assistance program

Additionally, the audits were conducted to evaluate potential diversion programs that can be implemented by the City of Walnut and/or Waste Management (the franchise hauler).

Four auditors, Edward Aguirre, Albert Hernandez, Grace Lee, and Rosalind Risser Yasui, conducted the waste reduction and recycling audits under the direction of Dr. Eugene Tseng. Ms. Yasui served as the project manager. The audits were conducted between March and May 2000.

Business owners and managers were contacted individually for an audit appointment and the audits were executed at each site. None of the audits were conducted by telephone. Out of approximately 200 commercial and industrial accounts, 144 business sites were audited. The auditors offered recommendations for reducing waste to the businesses, as well as printed literature regarding waste reduction and recycling practices specific to their needs. The literature was provided by the California Integrated Waste Management Board (CIWMB), California Environmental Protection Agency.

The survey methodology utilized in the study was based on CIWMB and US EPA forms. The quantification methodology for estimating source reduction diversion quantities is based upon a US EPA document titled "Business Waste Prevention Quantification Methodologies, Business Users' Guide and Technical Appendices."

Summary of Results

The table below shows the existing diversion quantified from the waste reduction and recycling audit program conducted in the City of Walnut.

City of Walnut Summary of Waste Reduction and Recycling Audits		
	Year 2000 Annual Tons	Percent of Total Generation
Annual Disposal	9,561.40	72.62 %
Annual Source Reduction Diversion	1,476.36	11.21 %
Annual Recycling Diversion	2,128.08	16.16 %
Total Diversion (Audited Businesses Only)	3,604.44	27.4 %
Annual Generation (Audited Businesses Only)	13,165.84	100 %

The 27.4% diversion rate is based upon the CIWMB formula of Diversion as a proportion of Total Generation. It does not include diversion of AB 2494 "restricted" materials and hazardous wastes (e.g., oil, etc.). Generation is comprised of Disposal plus Diversion. This diversion rate does not include businesses that self-haul.

For the businesses audited, the waste reduction and recycling auditors assessed additional recycling and source reduction that could reasonably be implemented. The audit data indicate that an additional 722.45 tons of materials could be diverted from the waste stream by recycling. Findings also indicate that another 21.54 tons of materials could be diverted by the implementation of source reduction activities.

Recycling makes up 16.16 % of the commercial and industrial diversion. Source reduction accounts for 11.21 % of the diversion, for a total diversion rate of 27.4 %.

Mt. San Antonio College Study

A study of the 421.33-acre Mount San Antonio College (Mt. SAC) is currently being drafted. With approximately 40,000 students, this community college is one of the largest in the nation. It is also the largest waste generator in the City of Walnut.

The study consists of data from seven of the college's departments: Facilities Management, Custodial Services, Purchasing, Learning Technology, Bookstore, Food Services and Auxiliary Services. The results of the study will provide the College with an initial framework on which to build future recycling and source reduction efforts. The study will also provide a baseline for a portion of the college, which can be used for AB 75 reporting.

Walnut Tech Business Park Study

A large business park consisting of 92 tenants was also studied in depth. Thirty of the largest occupant businesses were surveyed in order to determine the type and amount of material that is currently generated and/or diverted. The property manager, John Goodrich, plans to use the results of the study to determine the size, location, and frequency of pick-up that is most suitable for this property. The draft of this study can be found in the section, "Waste Reduction and Recycling Audit Report Walnut Tech Business Center, April 27, 2000".

Program Implementation Updates and Recommendations

The City of Walnut recently renewed its contract with Waste Management and there are no new programs planned or in the process of negotiation.

Waste Management provides waste reduction and recycling technical assistance services to any business that requests it. Additionally, an ongoing, permanent technical assistance program is being developed in conjunction with other neighboring cities for the commercial / industrial sector in the region.

During this survey period, at least 19 businesses requested follow-up assistance from the auditors in order to increase diversion of a variety of materials. The follow-up assistance will be provided over the next few months. This type of assistance should be provided on an on-going basis to businesses within the City of Walnut.

The City should work closely with the Mt. SAC, and other schools, business parks and shopping centers to encourage and facilitate the use of recycling containers.

The information collected during the waste reduction and recycling audits has contributed to the development of a Business Recycling Guide for the City of Walnut. This is an important document for this city, especially since Walnut has very few active "scavengers" or other types of independent recyclers. Upon completion, the Recycling Guide will be available free of charge to any business upon request.

The data collected in this study can and should be made available to property managers in order to determine the level of service needed to meet the needs of tenants. In a few instances this request has been acknowledged and data was provided to those who requested them (see above: Walnut Tech Business Park Study and Mt. SAC Study.)

Recycling at business parks and shopping centers require coordination through the property managers or person (s) responsible for paying the waste hauling bills. Where there is an on-site manager, a recycling program is much more likely to be successful. A periodical survey and visit to the tenants to discuss recycling would be one way to ensure separation of materials in the bins. A reduction in fees for businesses that cooperate with recycling requirements is another incentive.

The highest volume of recyclable material currently disposed is cardboard, other packaging materials, and pallets. An exchange program for polystyrene could be useful, as would be a means for businesses to recycle small numbers of pallets, especially odd-sized pallets.

WRAP

Of 144 businesses audited in the City of Walnut, only two were found to be potential Waste Reduction Award Program (WRAP) candidates: Fairway Molds and Sav-On. Both of these businesses have been offered assistance in completing the application.

Conclusion

The City of Walnut (population 32,000) is primarily a residential community. The largest waste generators are the schools (especially Mt. San Antonio College), business parks and shopping centers. Large industrial complexes are situated just along the outside boundaries of the city, and there is evidence that waste disposed from these locations is attributed toward Walnut rather than the actual city in which they are located.

Although there is very little recycling or source reduction taking place at the businesses in Walnut, there are also relatively small amounts of materials generated at these locations. In general, these small businesses do not manufacture products in the typical sense. The majority of businesses are related to the computer industry, such as component assembly, wholesale, retail, importing or exporting computers. The remainder are primarily service-oriented businesses.

The biggest opportunity for waste diversion lies within the campus of Mt. San Antonio College. It is important that the City and College communicate needs and responsibilities for waste diversion, as well as to offer each other assistance when possible. These two entities have great potential to be mutually beneficial, especially in the area of waste diversion.

Department of Conservation, Division of Recycling Data

DEPARTMENT OF CONSERVATION
DIVISION OF RECYCLING
PAYMENT AND REPORT PROCESSING SYSTEM

REDEMPTION MATERIAL ANALYSIS BY CITY FOR CALENDAR YEAR 1999
FROM PARTICIPANT REPORTS ADJUDICATED AS OF 11/30/1999

DESCRIPTION	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE
LNUT						
UMINUM	4,104.8	3,824.4	1,680.0	5,365.2	3,653.9	3,276.5
ASS	31,959.3	12,938.8	3,310.9	10,016.7	8,060.0	4,065.3
ASTIC	1,276.5	839.3	1,337.4	1,241.9	1,955.2	1,073.8
TAL REDEMPTION WT	37,340.6	17,602.5	6,328.3	16,623.8	13,669.1	8,415.6
UMINUM	4,085.0	3,790.0	1,680.0	5,374.5	3,591.0	3,282.0
ASS	39,977.0	15,705.0	3,497.0	10,613.0	8,733.0	4,340.0
ASTIC	1,401.0	869.0	1,370.0	1,325.4	2,057.0	1,116.0
TAL RECEIVED WT	45,463.0	20,364.0	6,547.0	17,312.9	14,381.0	8,738.0
*****	*****	*****	*****	*****	*****	*****
DESCRIPTION	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
UMINUM	5,501.6	8,330.3	2,308.5	4,786.0		42,831.2
ASS	2,552.6	12,016.6	6,851.6	6,359.0		98,130.8
ASTIC	1,185.5	2,164.9	684.9	1,574.1		13,333.5
TAL REDEMPTION WT	9,239.7	22,511.8	9,845.0	12,719.1	0.0	154,295.5
UMINUM	5,502.0	8,332.0	2,329.3	4,833.6		42,799.4
ASS	2,693.0	12,645.0	6,976.0	6,434.0		111,613.0
ASTIC	1,238.0	2,288.0	750.0	1,640.0		14,054.4
TAL RECEIVED WT	9,433.0	23,265.0	10,055.3	12,907.6	0.0	168,466.8

TOTAL